

Title (en)
IMPROVED ABLATION-TRANSFER IMAGING/RECORDING

Title (de)
BILDERZEUGUNG/AUFZEICHNUNG DURCH VERBESSERTE ABTRAGUNGS-ÜBERTRAGUNG

Title (fr)
IMAGERIE/ENREGISTREMENT PAR ABLATION-TRANSFERT PERFECTIONNES

Publication
EP 0552251 B1 20010110 (EN)

Application
EP 91918702 A 19910925

Priority
• US 9106813 W 19910925
• US 59279090 A 19901004
• US 70703991 A 19910529

Abstract (en)
[origin: US5171650A] A unique method/system for simultaneously creating and transferring a contrasting pattern of intelligence on and from a composite ablation-transfer imaging medium to a receptor element in contiguous registration therewith is improvedly radiation sensitive and versatile, is kinetically rapid and not dependent on a sensitized ablative topcoat, and is well adopted for such applications as, e.g., color proofing and printing, the security coding of various documents and the production of masks for the graphic arts and printed circuit industries; the composite ablation-transfer imaging medium, per se, comprises a support substrate (i), at least one intermediate "dynamic release layer" (ii) essentially coextensive therewith and an imaging radiation-ablative carrier topcoat (iii) also essentially coextensive therewith, said imaging radiation-ablative carrier topcoat (iii) including an imaging amount of a contrast imaging material contained therein, and said at least one dynamic release layer (ii) absorbing such imaging radiation at a rate sufficient to effect the imagewise ablation mass transfer of at least said carrier topcoat (iii).

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B41M 5/24; B41M 5/38; B41M 5/40

IPC 8 full level
B41J 2/32 (2006.01); **B41J 31/00** (2006.01); **B41J 31/05** (2006.01); **B41M 3/14** (2006.01); **B41M 5/24** (2006.01); **B41M 5/382** (2006.01); **B41M 5/385** (2006.01); **B41M 5/39** (2006.01); **B41M 5/40** (2006.01); **B41M 5/41** (2006.01); **B41M 5/42** (2006.01); **B41M 5/46** (2006.01); **G01D 15/10** (2006.01); **G03F 3/10** (2006.01); **G03F 7/004** (2006.01); **B41M 3/12** (2006.01); **B41M 7/00** (2006.01); **H05K 3/00** (2006.01)

CPC (source: EP US)
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Citation (examination)
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Designated contracting state (EPC)
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WO 9206410 A1 19920416; AT E198565 T1 20010115; AU 669649 B2 19960620; AU 8759691 A 19920428; CA 2093413 A1 19920405; CA 2093413 C 20030114; DE 69132508 D1 20010215; DE 69132508 T2 20010503; DE 69132508 T3 20070719; DK 0552251 T3 20010319; EP 0552251 A1 19930728; EP 0552251 A4 19930818; EP 0552251 B1 20010110; EP 0552251 B2 20070314; ES 2153821 T3 20010316; ES 2153821 T5 20071101; JP 2002079768 A 20020319; JP 2003260880 A 20030916; JP 3334877 B2 20021015; JP H06510490 A 19941124; US 5171650 A 19921215

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